

#8

6590  
9127

#8



ENTERED

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/052,578

DATE: 10/01/2002 p.6  
TIME: 15:54:11

Input Set : A:\46003seq.txt

Output Set: N:\CRF4\10012002\J052578.raw

```

3 <110> APPLICANT: Sloan-Kettering Institute for Cancer Research
4   Rothman, James E.
5   Mayhew, Mark
6   Hoe, Mee H.
7   Houghton, Alan
8   Hartl, Ulrich
9   Ouerfelli, Ouathek
10  Moroi, Yoichi
12 <120> TITLE OF INVENTION: CONJUGATE HEAT SHOCK PROTEIN-BINDING PEPTIDES
14 <130> FILE REFERENCE: 11746/46003
16 <140> CURRENT APPLICATION NUMBER: 10/052,578
17 <141> CURRENT FILING DATE: 2002-01-17
19 <150> PRIOR APPLICATION NUMBER: 08/961,707
20 <151> PRIOR FILING DATE: 1997-10-31
22 <160> NUMBER OF SEQ ID NOS: 321
24 <170> SOFTWARE: WordPerfect 8.0 for Windows
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 8
28 <212> TYPE: PRT
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: peptide in m13 coliphage
34 <400> SEQUENCE: 1
36   His Thr Thr Val Tyr Gly Ala Gly
37     1           5
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 8
41 <212> TYPE: PRT
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: peptide in m13 coliphage
47 <400> SEQUENCE: 2
49   Thr Glu Thr Pro Tyr Pro Thr Gly
50     1           5
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 8
54 <212> TYPE: PRT
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: peptide in m13 coliphage
60 <400> SEQUENCE: 3
62   Leu Thr Thr Pro Phe Ser Ser Gly
63     1           5

```

## RAW SEQUENCE LISTING

DATE: 10/01/2002

PATENT APPLICATION: US/10/052,578

TIME: 15:54:11

Input Set : A:\46003seq.txt

Output Set: N:\CRF4\10012002\J052578.raw

65 <210> SEQ ID NO: 4  
66 <211> LENGTH: 8  
67 <212> TYPE: PRT  
68 <213> ORGANISM: Artificial Sequence  
70 <220> FEATURE:  
71 <223> OTHER INFORMATION: peptide in m13 coliphage  
73 <400> SEQUENCE: 4  
75 Gly Val Pro Leu Thr Met Asp Gly  
76 1 5  
78 <210> SEQ ID NO: 5  
79 <211> LENGTH: 8  
80 <212> TYPE: PRT  
81 <213> ORGANISM: Artificial Sequence  
83 <220> FEATURE:  
84 <223> OTHER INFORMATION: peptide in m13 coliphage  
86 <400> SEQUENCE: 5  
88 Lys Leu Pro Thr Val Leu Arg Gly  
89 1 5  
91 <210> SEQ ID NO: 6  
92 <211> LENGTH: 8  
93 <212> TYPE: PRT  
94 <213> ORGANISM: Artificial Sequence  
96 <220> FEATURE:  
97 <223> OTHER INFORMATION: peptide in m13 coliphage  
99 <400> SEQUENCE: 6  
101 Cys Arg Phe His Gly Asn Arg Gly  
102 1 5  
104 <210> SEQ ID NO: 7  
105 <211> LENGTH: 8  
106 <212> TYPE: PRT  
107 <213> ORGANISM: Artificial Sequence  
109 <220> FEATURE:  
110 <223> OTHER INFORMATION: peptide in m13 coliphage  
112 <400> SEQUENCE: 7  
114 Tyr Thr Arg Asp Phe Glu Ala Gly  
115 1 5  
117 <210> SEQ ID NO: 8  
118 <211> LENGTH: 8  
119 <212> TYPE: PRT  
120 <213> ORGANISM: Artificial Sequence  
122 <220> FEATURE:  
123 <223> OTHER INFORMATION: peptide in m13 coliphage  
125 <400> SEQUENCE: 8  
127 Ser Ser Ala Ala Gly Pro Arg Gly  
128 1 5  
130 <210> SEQ ID NO: 9  
131 <211> LENGTH: 8  
132 <212> TYPE: PRT  
133 <213> ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/052,578

DATE: 10/01/2002

TIME: 15:54:11

Input Set : A:\46003seq.txt

Output Set: N:\CRF4\10012002\J052578.raw

```

135 <220> FEATURE:
136 <223> OTHER INFORMATION: peptide in m13 coliphage
138 <400> SEQUENCE: 9
140   Ser Leu Ile Gln Tyr Ser Arg Gly
141     1           5
143 <210> SEQ ID NO: 10
144 <211> LENGTH: 8
145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: peptide in m13 coliphage
151 <220> FEATURE:
152 <221> NAME/KEY: MISC_FEATURE
153 <222> LOCATION: (7)..(7)
154 <223> OTHER INFORMATION: unknown
156 <400> SEQUENCE: 10
W--> 158   Asp Ala Leu Met Trp Pro Xaa Gly
159     1           5
161 <210> SEQ ID NO: 11
162 <211> LENGTH: 8
163 <212> TYPE: PRT
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: peptide in m13 coliphage
169 <220> FEATURE:
170 <221> NAME/KEY: MISC_FEATURE
171 <222> LOCATION: (3)..(3)
172 <223> OTHER INFORMATION: unknown
174 <400> SEQUENCE: 11
W--> 176   Ser Ser Xaa Ser Leu Tyr Ile Gly
177     1           5
179 <210> SEQ ID NO: 12
180 <211> LENGTH: 8
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: peptide in m13 coliphage
187 <400> SEQUENCE: 12
189   Phe Asn Thr Ser Thr Arg Thr Gly
190     1           5
192 <210> SEQ ID NO: 13
193 <211> LENGTH: 8
194 <212> TYPE: PRT
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: peptide in m13 coliphage
200 <400> SEQUENCE: 13
202   Thr Val Gln His Val Ala Phe Gly
203     1           5

```

## RAW SEQUENCE LISTING

DATE: 10/01/2002

PATENT APPLICATION: US/10/052,578

TIME: 15:54:11

Input Set : A:\46003seq.txt

Output Set: N:\CRF4\10012002\J052578.raw

```

205 <210> SEQ ID NO: 14
206 <211> LENGTH: 8
207 <212> TYPE: PRT
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: peptide in m13 coliphage
213 <400> SEQUENCE: 14
215   Asp Tyr Ser Phe Pro Pro Leu Gly
216       1               5
218 <210> SEQ ID NO: 15
219 <211> LENGTH: 8
220 <212> TYPE: PRT
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: peptide in m13 coliphage
226 <400> SEQUENCE: 15
228   Val Gly Ser Met Glu Ser Leu Gly
229       1               5
231 <210> SEQ ID NO: 16
232 <211> LENGTH: 8
233 <212> TYPE: PRT
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: peptide in m13 coliphage
239 <220> FEATURE:
240 <221> NAME/KEY: MISC_FEATURE
241 <222> LOCATION: (2)..(2)
242 <223> OTHER INFORMATION: unknown
244 <220> FEATURE:
245 <221> NAME/KEY: MISC_FEATURE
246 <222> LOCATION: (6)..(6)
247 <223> OTHER INFORMATION: unknown
249 <400> SEQUENCE: 16
W--> 251   Phe Xaa Pro Met Ile Xaa Ser Gly
252       1               5
254 <210> SEQ ID NO: 17
255 <211> LENGTH: 8
256 <212> TYPE: PRT
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: peptide in m13 coliphage
262 <400> SEQUENCE: 17
264   Ala Pro Pro Arg Val Thr Met Gly
265       1               5
267 <210> SEQ ID NO: 18
268 <211> LENGTH: 8
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:

```

## RAW SEQUENCE LISTING

DATE: 10/01/2002

PATENT APPLICATION: US/10/052,578

TIME: 15:54:11

Input Set : A:\46003seq.txt

Output Set: N:\CRF4\10012002\J052578.raw

273 <223> OTHER INFORMATION: peptide in m13 coliphage  
275 <400> SEQUENCE: 18  
277 Ile Ala Thr Lys Thr Pro Lys Gly  
278 1 5  
280 <210> SEQ ID NO: 19  
281 <211> LENGTH: 8  
282 <212> TYPE: PRT  
283 <213> ORGANISM: Artificial Sequence  
285 <220> FEATURE:  
286 <223> OTHER INFORMATION: peptide in m13 coliphage  
288 <400> SEQUENCE: 19  
290 Lys Pro Pro Leu Phe Gln Ile Gly  
291 1 5  
293 <210> SEQ ID NO: 20  
294 <211> LENGTH: 8  
295 <212> TYPE: PRT  
296 <213> ORGANISM: Artificial Sequence  
298 <220> FEATURE:  
299 <223> OTHER INFORMATION: peptide in m13 coliphage  
301 <400> SEQUENCE: 20  
303 Tyr His Thr Ala His Asn Met Gly  
304 1 5  
306 <210> SEQ ID NO: 21  
307 <211> LENGTH: 8  
308 <212> TYPE: PRT  
309 <213> ORGANISM: Artificial Sequence  
311 <220> FEATURE:  
312 <223> OTHER INFORMATION: peptide in m13 coliphage  
314 <400> SEQUENCE: 21  
316 Ser Tyr Ile Gln Ala Thr His Gly  
317 1 5  
319 <210> SEQ ID NO: 22  
320 <211> LENGTH: 8  
321 <212> TYPE: PRT  
322 <213> ORGANISM: Artificial Sequence  
324 <220> FEATURE:  
325 <223> OTHER INFORMATION: peptide in m13 coliphage  
327 <400> SEQUENCE: 22  
329 Ser Ser Phe Ala Thr Phe Leu Gly  
330 1 5  
332 <210> SEQ ID NO: 23  
333 <211> LENGTH: 8  
334 <212> TYPE: PRT  
335 <213> ORGANISM: Artificial Sequence  
337 <220> FEATURE:  
338 <223> OTHER INFORMATION: peptide in m13 coliphage  
340 <400> SEQUENCE: 23  
342 Thr Thr Pro Pro Asn Phe Ala Gly  
343 1 5

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/052,578

DATE: 10/01/2002  
TIME: 15:54:12

Input Set : A:\46003seq.txt  
Output Set: N:\CRF4\10012002\J052578.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; Xaa Pos. 7  
Seq#:11; Xaa Pos. 3  
Seq#:16; Xaa Pos. 2,6  
Seq#:47; N Pos. 19  
Seq#:48; N Pos. 8  
Seq#:53; N Pos. 6,16,18  
Seq#:100; Xaa Pos. 5  
Seq#:133; N Pos. 14  
Seq#:251; Xaa Pos. 7  
Seq#:252; Xaa Pos. 3  
Seq#:257; Xaa Pos. 2,6  
Seq#:304; Xaa Pos. 5

## VERIFICATION SUMMARY

DATE: 10/01/2002

PATENT APPLICATION: US/10/052,578

TIME: 15:54:12

Input Set : A:\46003seq.txt

Output Set: N:\CRF4\10012002\J052578.raw

L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0  
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0  
L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0  
L:1336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:0  
L:1745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133 after pos.:0  
L:3276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:251 after pos.:0  
L:3294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:252 after pos.:0  
L:3369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:257 after pos.:0  
L:3985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:304 after pos.:0